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Reply to Office Action of October 7, 2004

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AMENDMENTS TO THE SPECIFICATION

Please **amend the paragraph beginning on page 15, line 22** as follows:

In contrast to the conventional devices, the resource layer of the present invention also includes a resource for diagnosing the operation state of the set-top box, so that the set-top box can diagnose its own operation state. Also, the resource layer contains a resource manager resource, an MMI resource, an application information resource, a low speed communication resource, a conditional access support resource, a copy protection resource, a host control information resource, an extended channel support resource, a generic IPPV support resource, a specific application support resource and a diagnostic resource. Wherein the diagnostic resource of the POD includes at least one diagnostic state request object and a diagnostic state confirmation object. The diagnostic state request object ~~performs a diagnosing~~ requests an operation state of a system and the diagnostic state confirmation object transfers the system state, or diagnosis result to the head end 400A or the broadcasting station.

Please **amend the paragraph beginning on page 16, line 11** as follows:

In addition, the diagnostic resource contains a diagnostic open request object, a diagnostic confirmation request object, a diagnostic state request object, a diagnostic state confirmation object, a diagnostic data request object, and a diagnostic data confirmation request. The diagnostic confirmation object

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transfers the diagnosis result ~~performed by the OOB protocol processor 51~~ to

the head end 400A or to the broadcasting station.